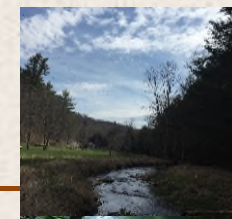


US Forest Service's National BMP Program Monitoring Results and Findings

2016 National Water Monitoring Conference
Tampa, Florida



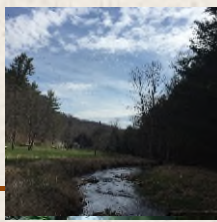
Monitoring Results



- **Fiscal Years 2013-2014**
 - **Interim Phase-In Period**
 - **Report available at :**
<http://www.fs.fed.us/biology/watershed/BMP.html>
- **Fiscal Years 2015-2016**
 - **First Period of Full Program Implementation**



Implementation Monitoring



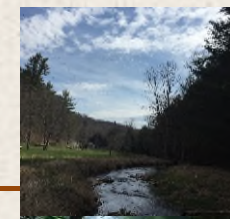
To answer “Did we do what we said we’d do?”

FY 2014: 566 Implementation Evaluations

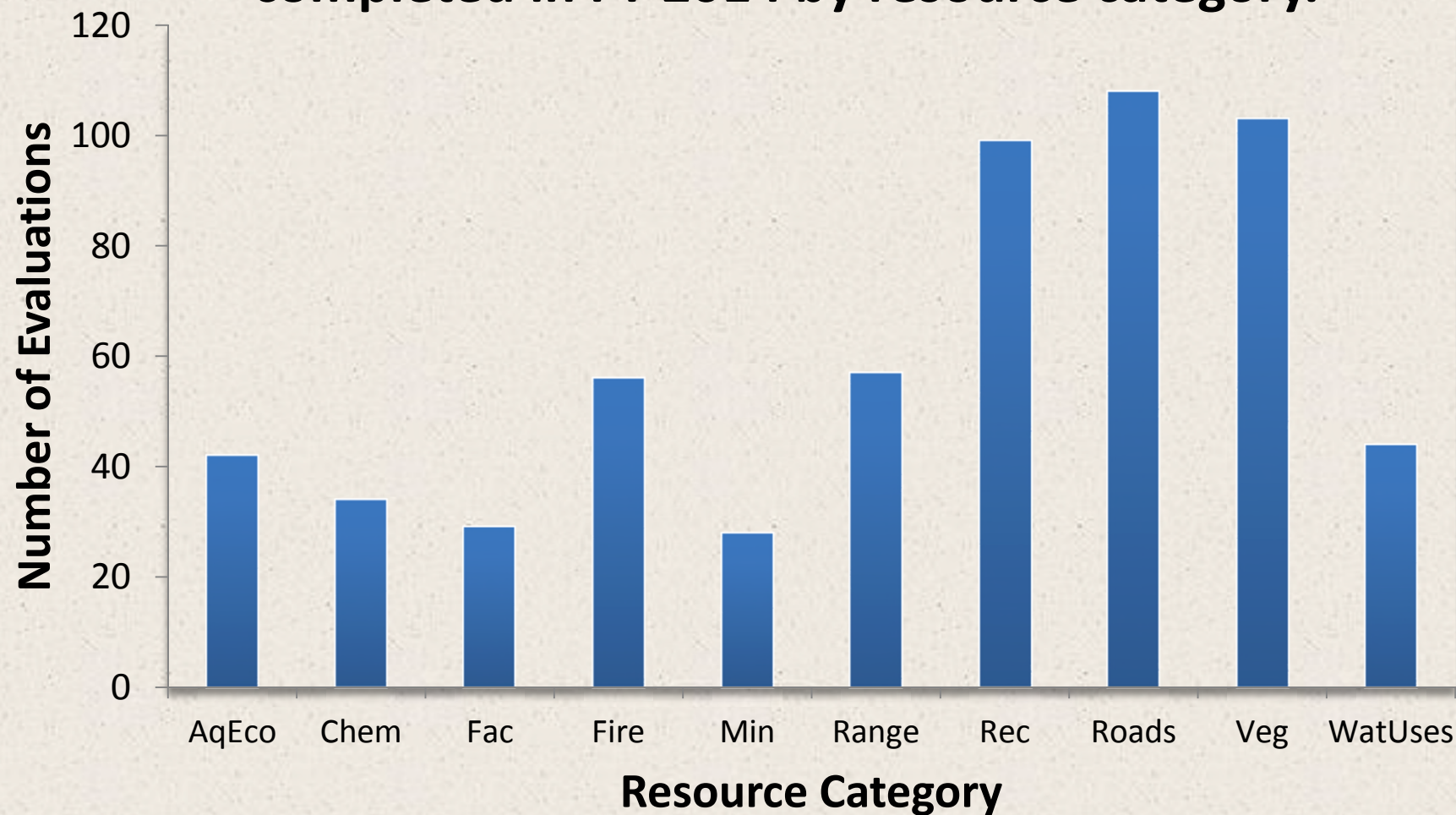
FY 2015: 673 Implementation Evaluations



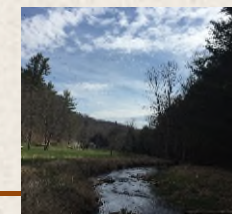
Monitoring Results - Implementation



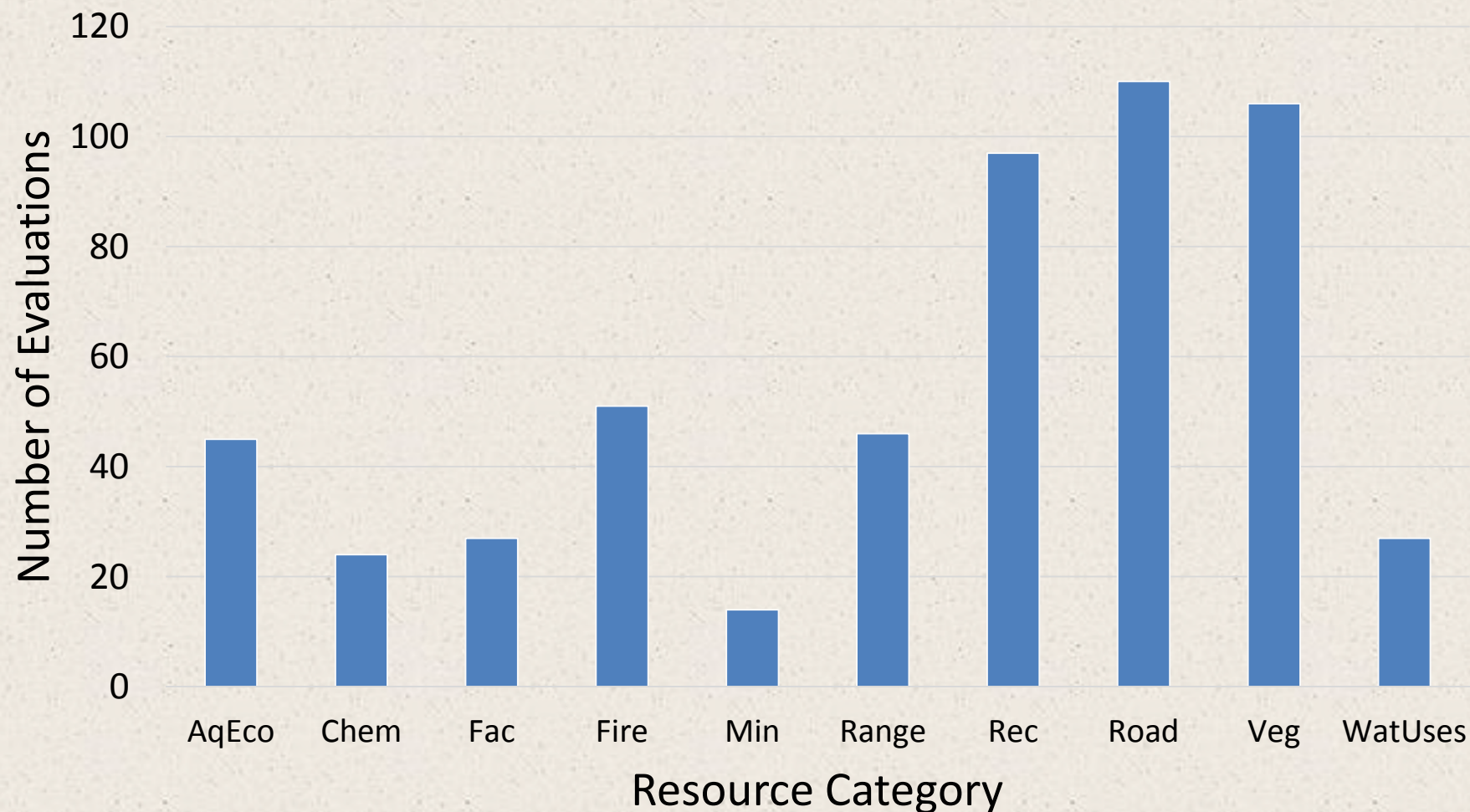
Number of National BMP monitoring evaluations completed in FY 2014 by resource category.



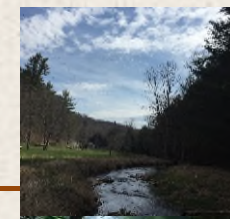
Monitoring Results - Implementation



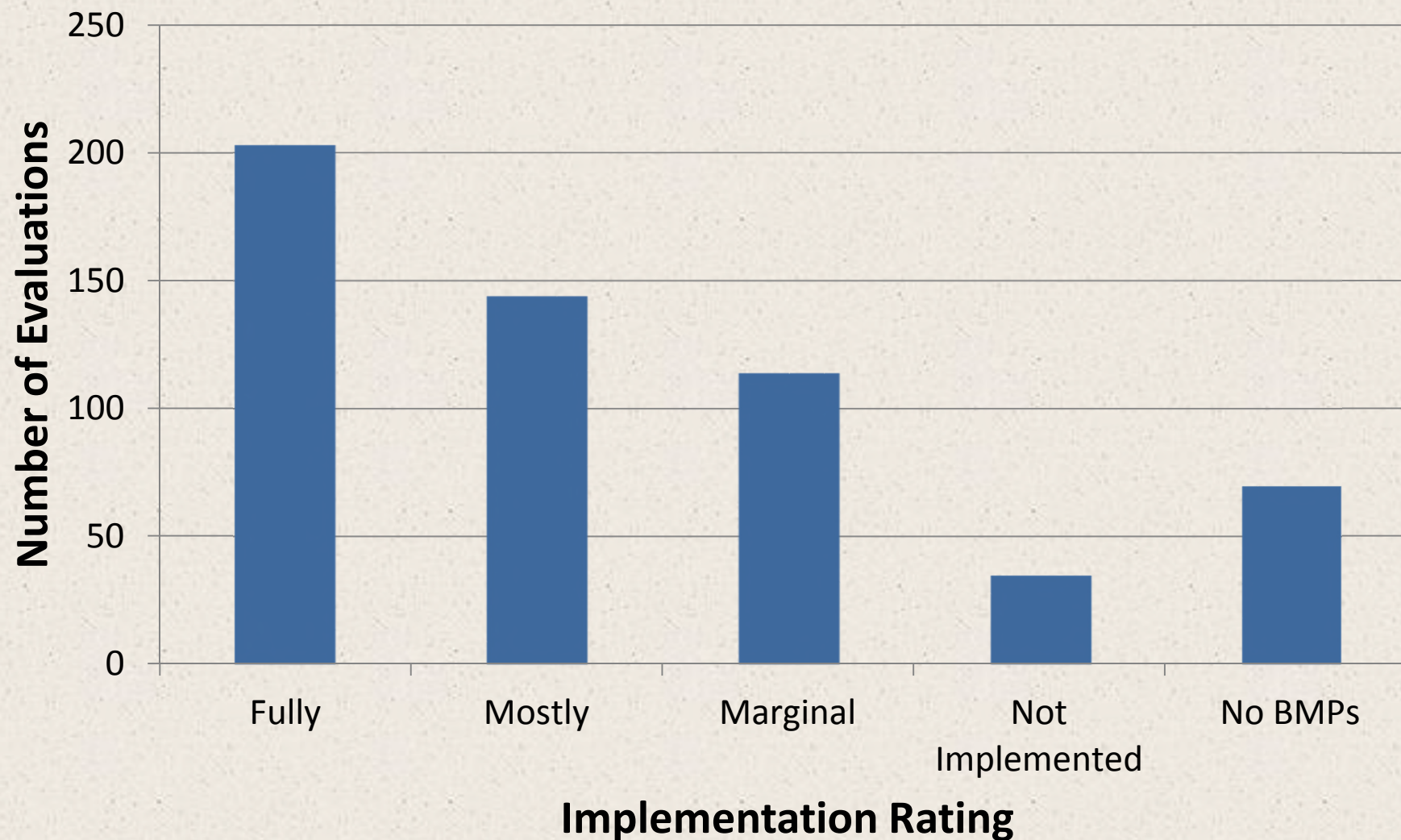
Number of National BMP monitoring evaluations completed in FY 2015 by resource category.



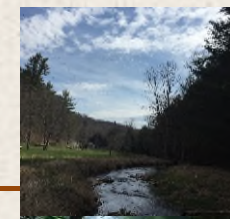
Monitoring Results - Implementation



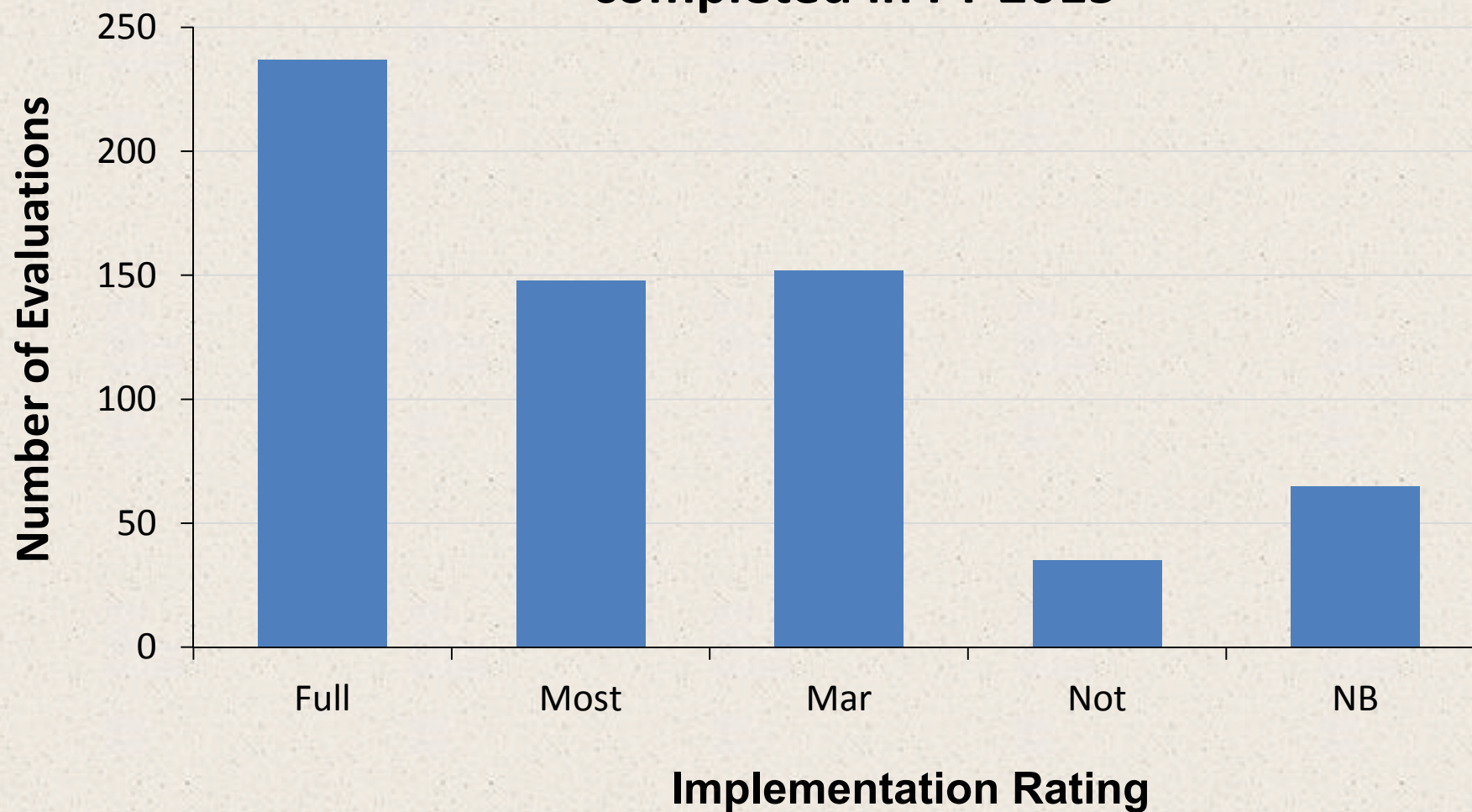
BMP implementation ratings across all BMP monitoring protocols for evaluations completed in FY 2014



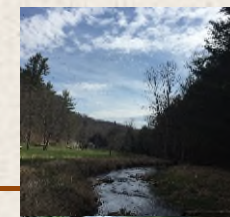
Monitoring Results - Implementation



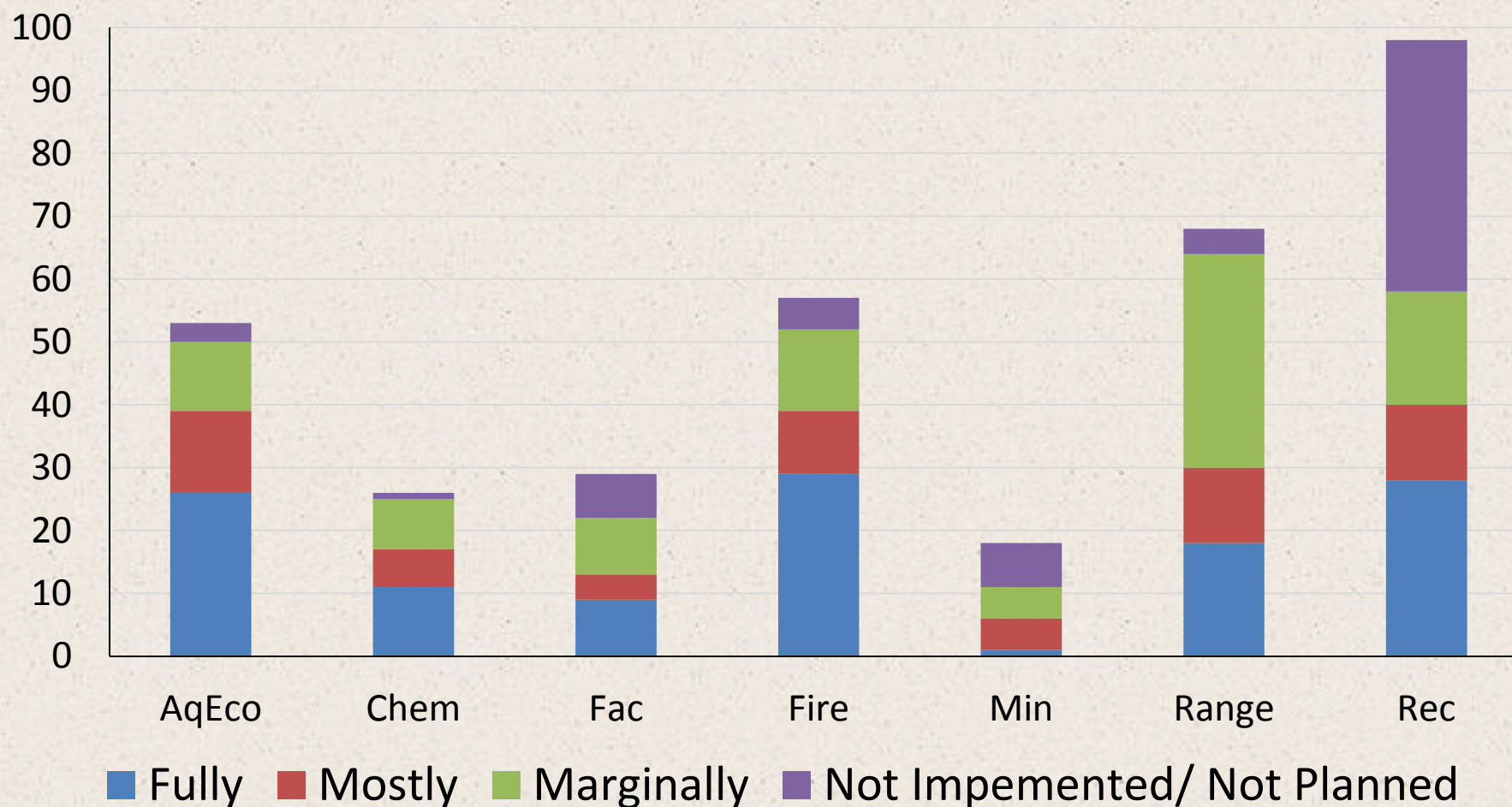
BMP implementation ratings across all BMP monitoring protocols for evaluations completed in FY 2015



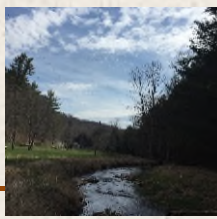
Monitoring Results - Implementation



Number and Ratings of Implementation Monitoring by Resource Category – FY 2015



Effectiveness Monitoring



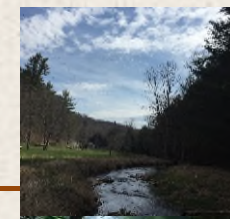
To answer “Is what we did effective?”

FY 2014: 539 Effectiveness Evaluations

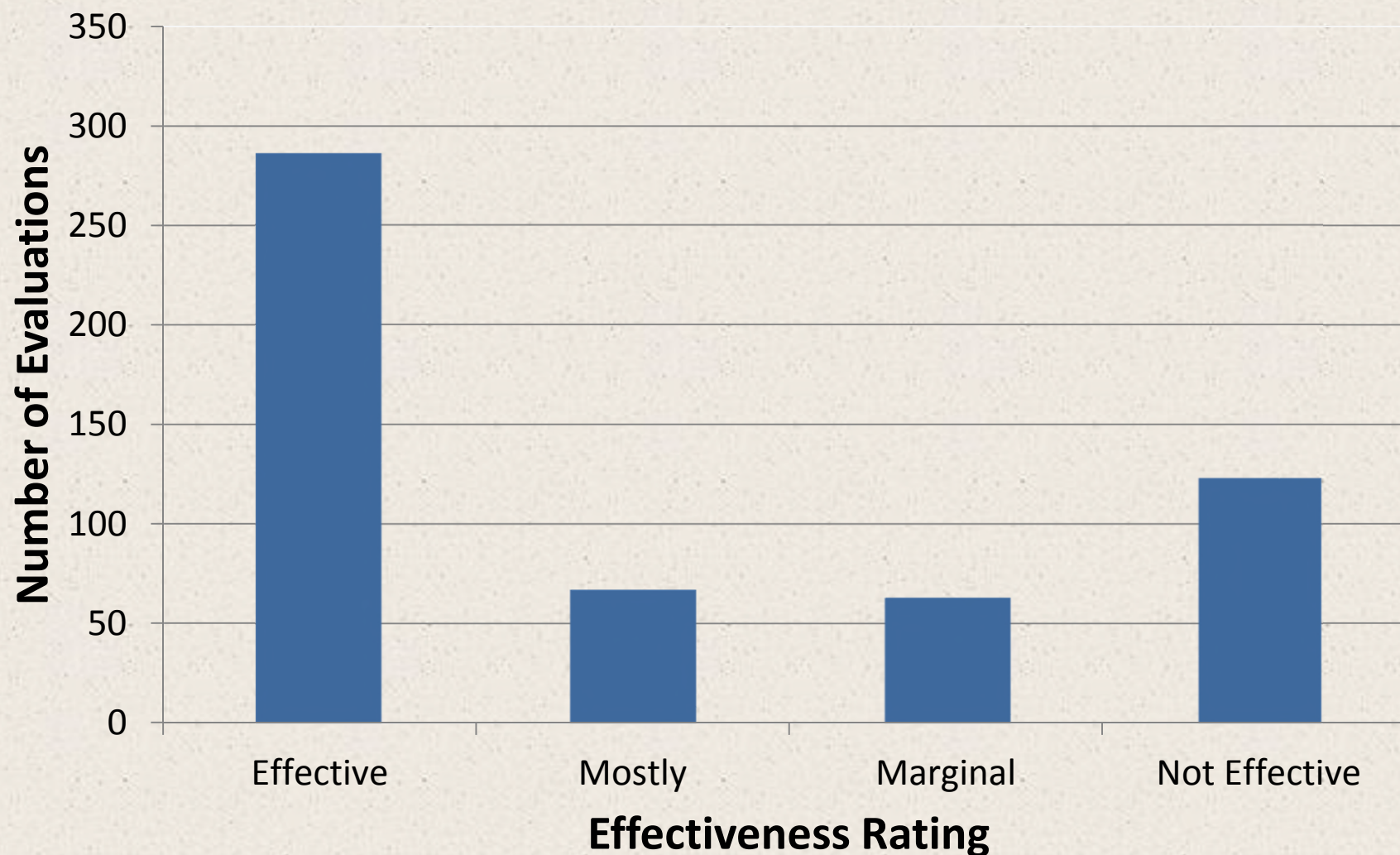
FY 2015: 601 Effectiveness Evaluations



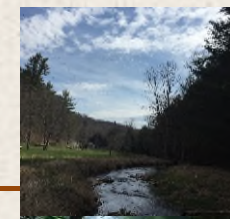
Monitoring Results - Effectiveness



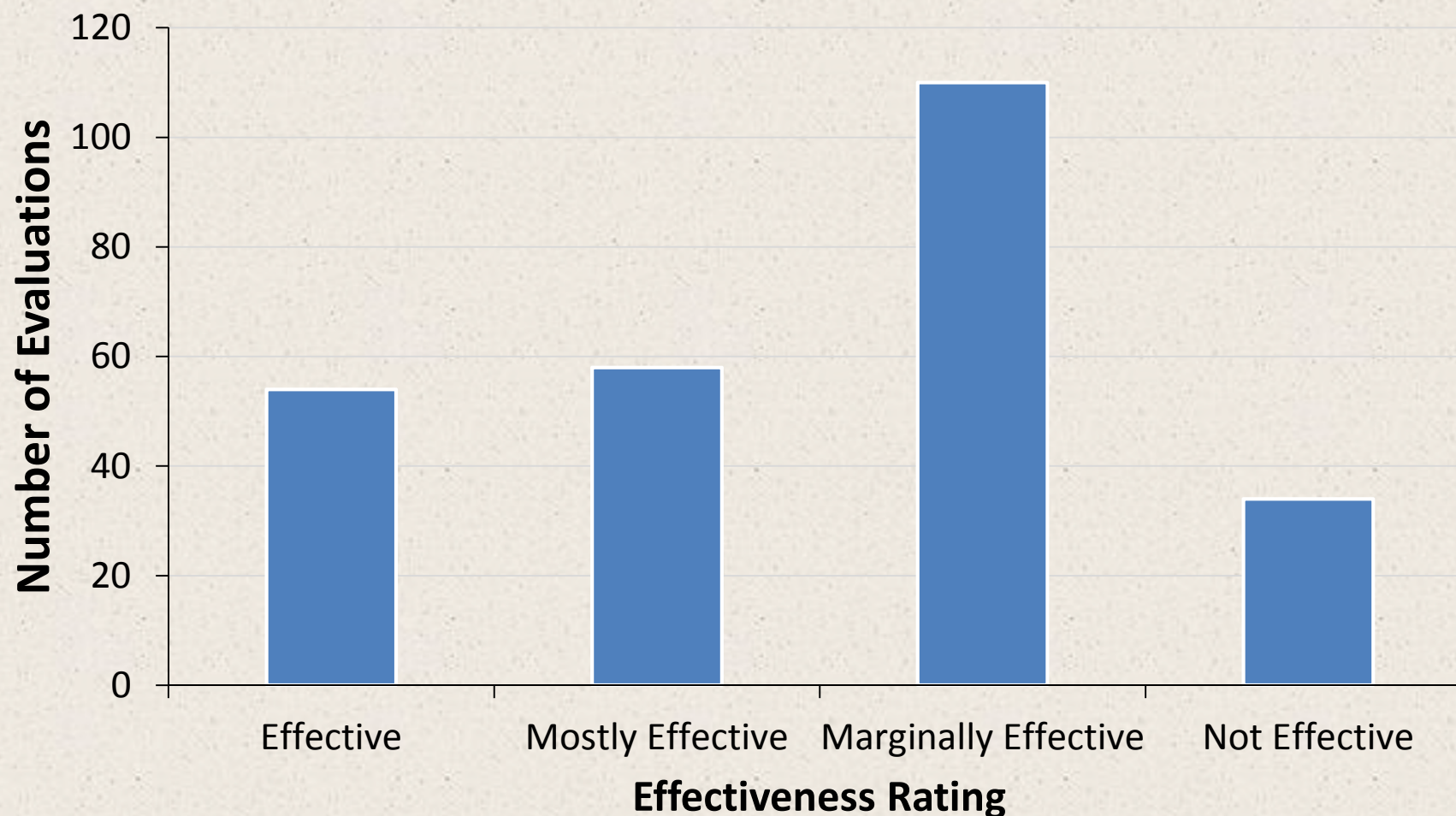
BMP effectiveness ratings across all BMP monitoring protocols for evaluations completed in FY 2014



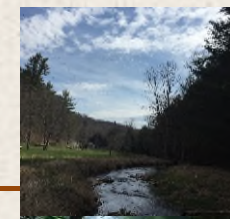
Monitoring Results - Effectiveness



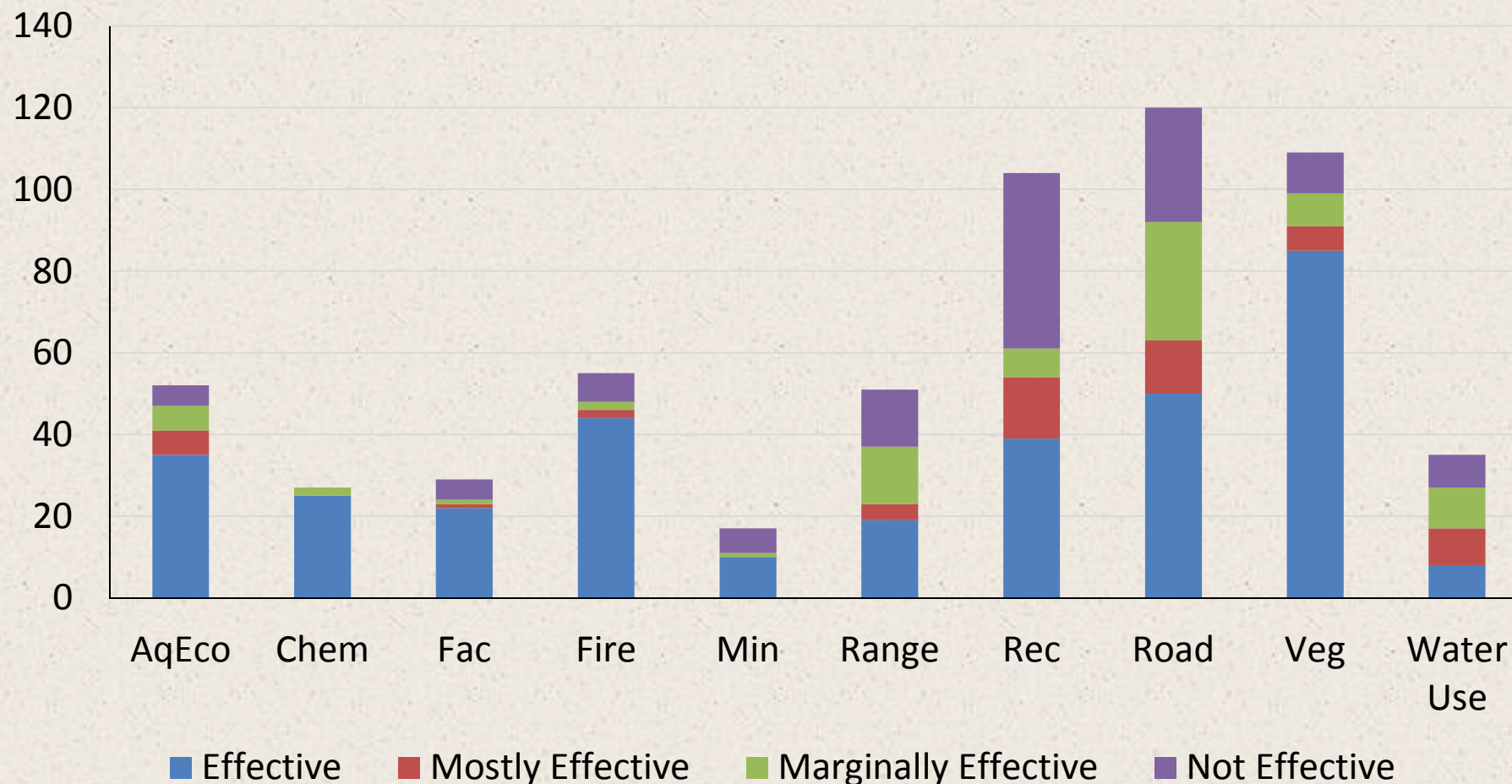
BMP effectiveness ratings across all BMP monitoring protocols for evaluations completed in FY 2015



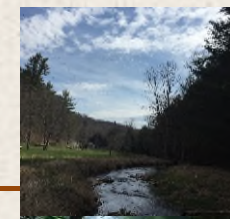
Monitoring Results - Effectiveness



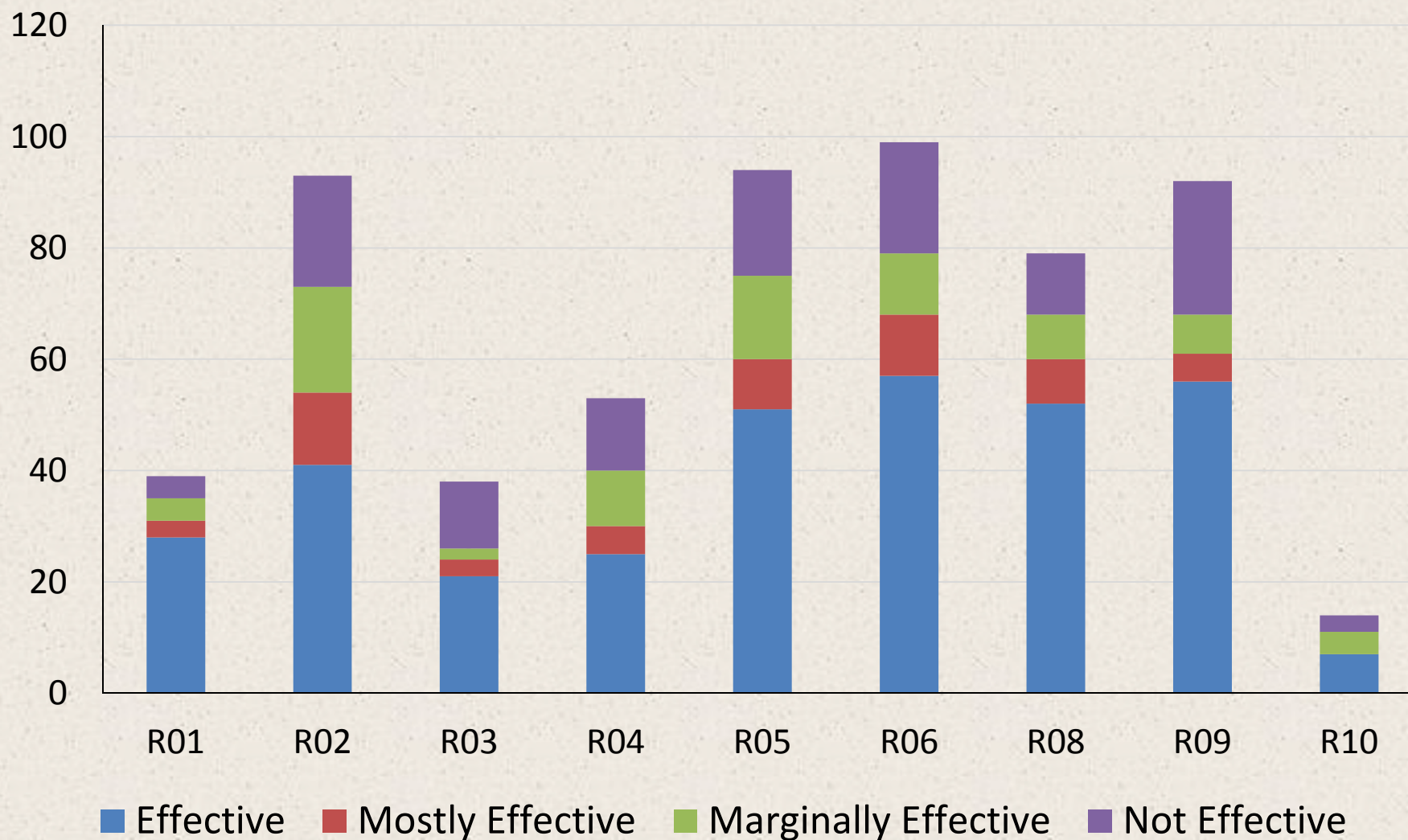
Number and Rating of Effectiveness Monitoring by Resource Category for FY 2015



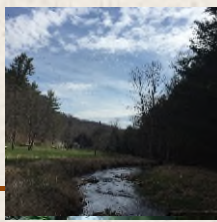
Monitoring Results - Effectiveness



FY15 Effectiveness Monitoring by Region



Composite Rating



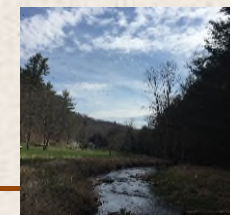
To answer “Instead of two separate scores, can I just have one?”

FY 2014: 509 Evaluations

FY 2015: 553 Evaluations



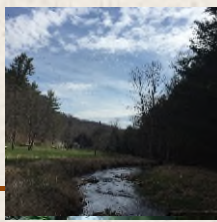
Reminder: Combined BMP Rating



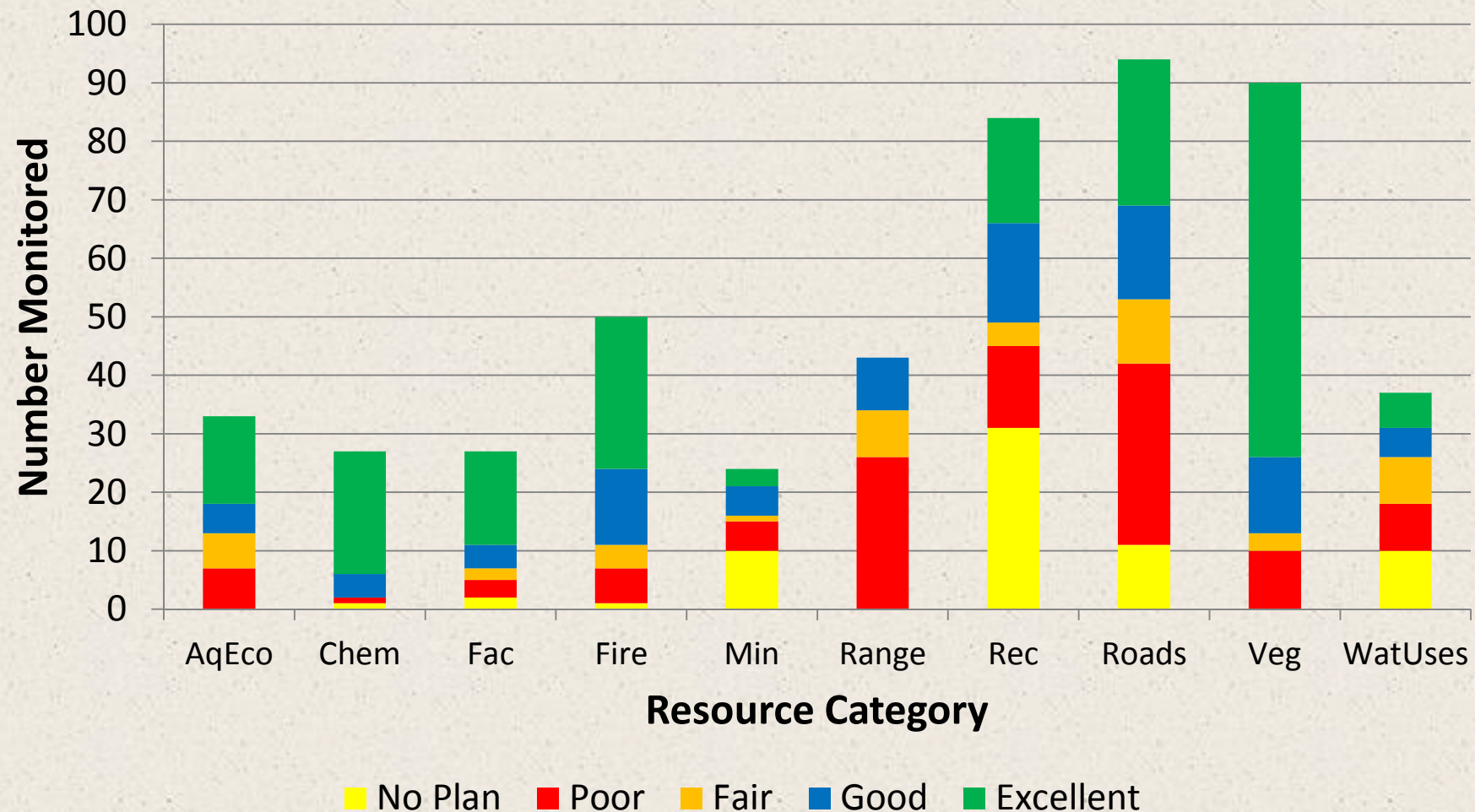
Combined Rating		Implementation Rating				
		Fully Implemented	Mostly Implemented	Marginally Implemented	Not Implemented	No BMPs
Effectiveness Rating	Effective	Excellent	Excellent	Good	Good	No Plan
	Mostly Effective	Good	Good	Fair	Fair	No Plan
	Marginally Effective	Fair	Fair	Poor	Poor	No Plan
	Not Effective	Poor	Poor	Poor	Poor	No Plan



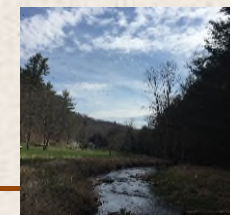
Monitoring Results – Composite Rating



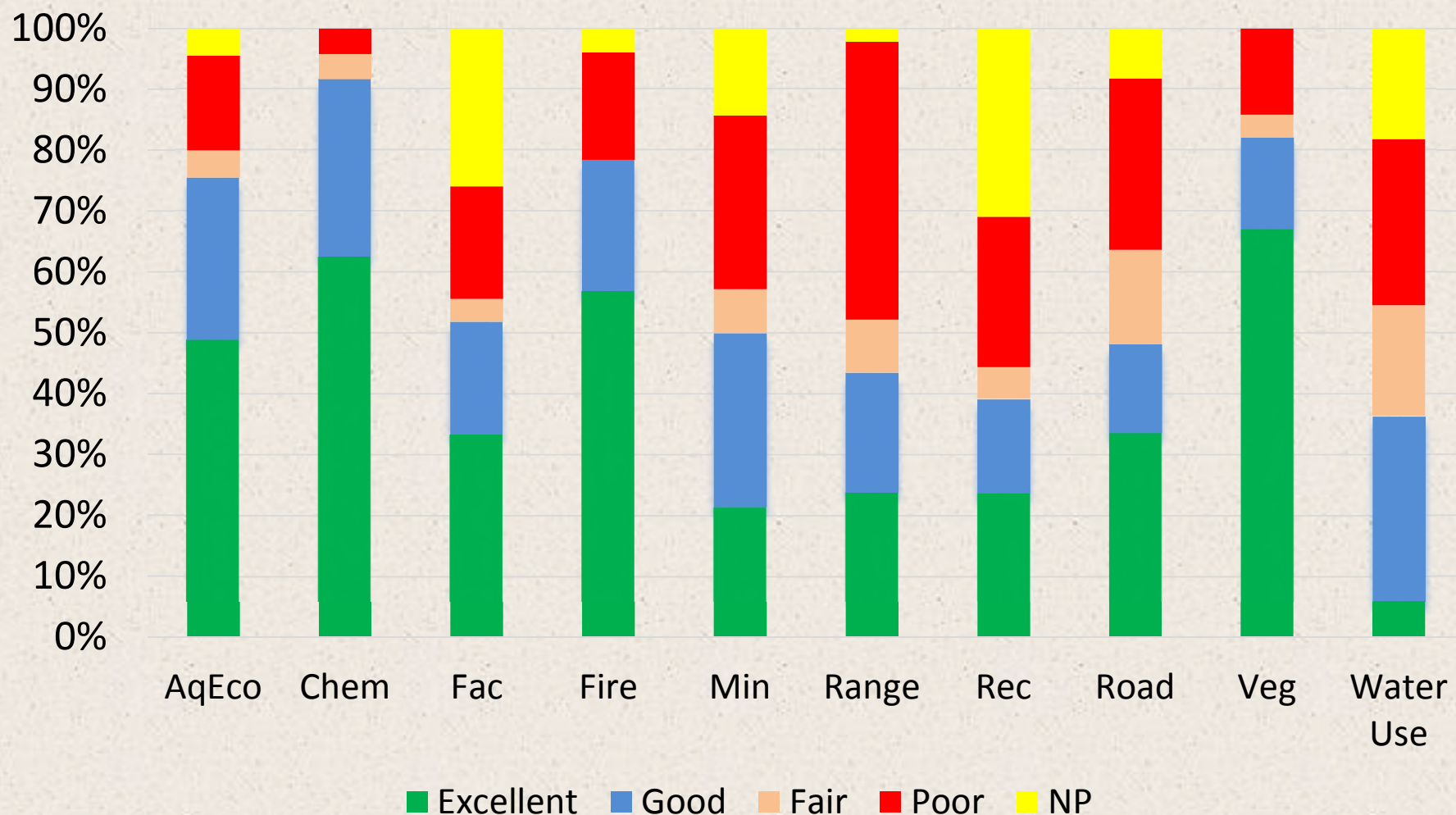
Composite BMP evaluation ratings by resource category for evaluations completed in FY 2014



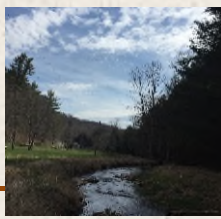
Monitoring Results – Composite Rating



FY 2015 Composite Ratings as Percentage Values by Resource Area



FS National BMP Program Next Steps

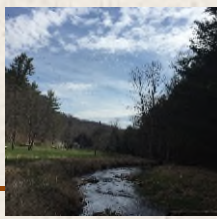


- **Better understanding of what we're seeing in the data**
 - **Is it sufficient to be able to tell a larger story**

- **Improve Database**
 - **Better tracking of Adaptive Management Actions and Corrective Actions**
 - **Improved data collection techniques**

- **Continued training**
 - **Improve consistency**
 - **Insure discipline-diverse IDTeam**





Questions?

Mike Eberle – mbeberle@fs.fed.us

**Forest Service BMP Internet site:
<http://www.fs.fed.us/biology/watershed/BMP.html>**

